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*Sup. Prior Art*  
**PATENT**  
Docket No. 5634.121, *S. Ford*  
*6/21/96*

~~GROUP 260~~ **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John C. Harvey and James W. Cuddihy

Serial No.: 08/447,496

Filing Date: May 23, 1995

For: Signal Processing Apparatus and Methods

Group Art Unit: 2602/348

Examiner:

Assistant Commissioner for Patents  
Washington D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patent No.</u> |
|-------------------|--------------------|-------------------|
| 08/113,329        | August 30, 1993    | Pending           |
| 08/056,501        | May 3, 1993        | 5,335,277         |
| 07/849,226        | March 10, 1992     | 5,233,654         |
| 07/588,126        | September 25, 1990 | 5,109,414         |
| 07/096,096        | September 11, 1987 | 4,965,825         |

Applicants believe that all references cited on the attached Form PTO-1449 were submitted to the PTO in co-pending U.S. Patent Application Serial No. 08/448,143, filed 23 May 1995. Therefore, no copies of the listed references are provided herewith.

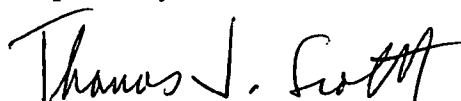
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.B./

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office Action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: April 4, 1996

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|  |  |                          |
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| <b>Supplemental Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Methods</b> | Attorney Docket No.<br>5634.121                            | Serial No.<br>08/447,496 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
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|                  | 2,619,530     | 11/25/52    | Roschke            | 178/5.1          |               |
|                  | 2,892,882     | 6/30/59     | Hughes             | 178/5.1          |               |
|                  | 2,972,008     | 2/14/61     | Ridenour, et al.   | 178/5.1          |               |
|                  | 3,304,416     | 2/14/67     | Wolf               | 235/92           |               |
|                  | 3,336,437     | 8/15/67     | Brouard, et al.    | 178/5.4          |               |
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|                  | 3,982,064     | 9/21/76     | Barnaby          | 348/467          |               |
|                  | 4,057,829     | 11/8/77     | Moorehead        | 358/86           |               |
|                  | 4,104,681     | 8/1/78      | Saylor, et al.   | 358/141          |               |
|                  | 4,148,066     | 4/3/79      | Saylor           | 358/127          |               |
|                  | 4,175,267     | 11/20/79    | Tachi            | 358/4            |               |
|                  | 4,199,656     | 4/22/80     | Saylor           | 178/66.1         |               |
|                  | 4,290,062     | 9/15/81     | Marti, et al.    | 340/721          |               |
|                  | 4,303,940     | 12/1/81     | Ciciora          | 358/142          |               |
|                  | 4,303,941     | 12/1/81     | Marti, et al.    | 358/147          |               |
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|                  | 4,458,268     | 7/3/84      | Ciciora            | 358/120          |               |
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|                  | 4,734,907     | 3/29/88     | Turner             | 370/60           | 9/6/85        |

\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Sep. 11, 1987.

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### Foreign Patent Documents

| Examiner Initial | Document Number | Publication Date | Country                | Class / Subclass | Translation |    |
|------------------|-----------------|------------------|------------------------|------------------|-------------|----|
|                  |                 |                  |                        |                  | Yes         | No |
|                  | WO 85/03604     | 8/15/85          | PCT Application        | H03K 3/84        |             | X  |
|                  | 0 132 007       | 1/23/85          | European Patent Office | H04N 7/16        |             | X  |
|                  | 2 033 699       | 5/21/80          | Great Britain          | H04L 1/10, 1/40  |             | X  |
|                  | 2 058 681       | 6/15/72          | Germany                | H04N 7/08        | X           |    |
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| <b>Supplemental Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Methods</b> | Attorney Docket No.<br>5634.121                            | Serial No.<br>08/447,496 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>May 23, 1995                                | Group<br>2602/348        |

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|--|--|--------------------------|
| <b>Supplemental Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Methods</b> | Attorney Docket No.<br>5634.121                            | Serial No.<br>08/447,496 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>May 23, 1995                                | Group<br>2602/348        |

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /K.B./

**RECEIVED PATENTS  
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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
**John C. Harvey and James W. Cuddihy** : Examiner:  
 Serial No. 08/447,496 : Group Unit: 2602  
 Filed 23-May-95 : Atty Dkt: 5634.121

For **SIGNAL PROCESSING APPARATUS AND METHODS**

**COPENING RELATED U.S. PATENT APPLICATIONS**

Assistant Commissioner of Patents  
 Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

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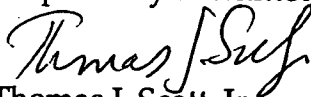
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**REMARKS**

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

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